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Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
09/658, 835	09/08/00	Duvick et al	P05573US2



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EXAMINER	
MEDINA A. IBRAHIM	
ART UNIT	PAPER NUMBER
1638	12

DATE MAILED:

Please find below a communication from the EXAMINER in charge of this application

Commissioner of Patents

The communication filed on **5/03/02** is not fully responsive to the communication mailed **03/26/02** for the reason(s) set forth on the attached Notice to Comply With the Sequence Rules or CRF Diskette Problem Report.

If a complete response has not been submitted by the time the shortened statutory period for response set in the communication mailed 03/13/01 has expired, this application will become abandoned unless applicant corrects the deficiency and obtains an extension of time under 37 C.F.R. 1.136. In no case may an applicant extend the period for response beyond the six month statutory period.

Any inquiry concerning this communication should be directed to Examiner MEDINA A. IBRAHIM, Art Unit **1638**, whose telephone number is **(703) 306-5822**

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (703) 308-0196.

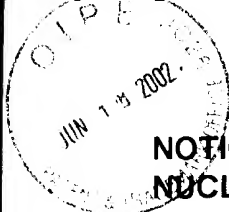
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ELIZABETH F. McELWAIN  
PRIMARY EXAMINER  
GROUP 1800

*E F McElwain*



Application No.: 09/658, 835

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING  
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged

computer readable form must be submitted as required by 37 C.F.R. 1.825(d).

- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: \_\_\_\_\_

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**Applicant Must Provide:**

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- ☒ ~~An initial or~~ substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ ~~An initial or~~ substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support (SIRA)

Technical Assistance.....703-287-0200

To Purchase PatentIn Software.....703-306-2600

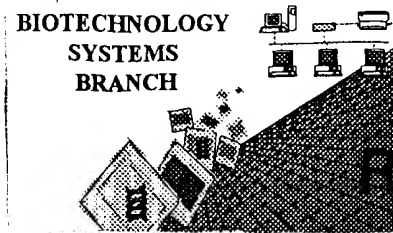
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**PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE**

M. Ibrahim



**RAW SEQUENCE LISTING**  
**ERROR REPORT**

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The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

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Application Serial Number: 09/658,835B  
Source: 1600 RUSH  
Date Processed by STIC: 5/30/2002

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THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**  
**VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

*M. Ibrahim*



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1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/658,835B

DATE: 05/30/2002

TIME: 16:41:00

Input Set : A:\EP.txt

Output Set: N:\CRF3\05302002\I658835B.raw

Does Not Comply  
Corrected Diskette Needed

*pp 2-3*

3 <110> APPLICANT: Duvick, Johnathan P.  
4 Gilliam, Jacob T.  
5 Maddox, Joyce R.  
6 Rao, Aragula Gururaj  
7 Crasta, Oswald R.  
8 Folkerts, Otto  
10 <120> TITLE OF INVENTION: Amino Polyol Amine Oxidase Polynucleotides and Related Polypeptides and  
11 Methods of Use  
13 <130> FILE REFERENCE: 1134R  
15 <140> CURRENT APPLICATION NUMBER: US 09/658,835B  
16 <141> CURRENT FILING DATE: 2000-09-08  
18 <150> PRIOR APPLICATION NUMBER: US 60/092,936  
19 <151> PRIOR FILING DATE: 1998-07-25  
21 <150> PRIOR APPLICATION NUMBER: US 60/135,391  
22 <151> PRIOR FILING DATE: 1999-05-21  
24 <150> PRIOR APPLICATION NUMBER: US 09/352,159  
25 <151> PRIOR FILING DATE: 1999-07-12  
27 <150> PRIOR APPLICATION NUMBER: US 09/352,168  
28 <151> PRIOR FILING DATE: 1999-07-12  
30 <160> NUMBER OF SEQ ID NOS: 53  
32 <170> SOFTWARE: PatentIn version 3.1

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ERRORED SEQUENCES

7245 <210> SEQ ID NO: 51  
7246 <211> LENGTH: 463  
7247 <212> TYPE: PRT  
7248 <213> ORGANISM: Unknown  
7250 <220> FEATURE:  
7251 <223> OTHER INFORMATION: Cys (-) APAO; removal of cysteines 359 and 461  
7253 <400> SEQUENCE: 51  
7255 Lys Asp Asn Val Ala Asp Val Val Val Val Gly Ala Gly Leu Ser Gly  
7256 1 5 10 15  
7259 Leu Glu Thr Ala Arg Lys Val Gln Ala Ala Gly Leu Ser Cys Leu Val  
7260 20 25 30  
7263 Leu Glu Ala Met Asp Arg Val Gly Gly Lys Thr Leu Ser Val Gln Ser  
7264 35 40 45  
7267 Gly Pro Gly Arg Thr Thr Ile Asn Asp Leu Gly Ala Ala Trp Ile Asn  
7268 50 55 60  
7271 Asp Ser Asn Gln Ser Glu Val Ser Arg Leu Phe Glu Arg Phe His Leu  
7272 65 70 75 80  
7275 Glu Gly Glu Leu Gln Arg Thr Thr Gly Asn Ser Ile His Gln Ala Gln

*Reminder: give source of genetic material on 2237 line wherever 2137 response is Unknown or is Artificial Sequence*

*P. 2*



RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/658,835B

DATE: 05/30/2002  
TIME: 16:41:02

Input Set : A:\EP.txt  
Output Set: N:\CRF3\05302002\I658835B.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:51; Line(s) 7278,7284,7285

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,12,13,14,15,34

Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.

## VERIFICATION SUMMARY

DATE: 05/30/2002

PATENT APPLICATION: US/09/658,835B

TIME: 16:41:02

Input Set : A:\EP.txt

Output Set: N:\CRF3\05302002\I658835B.raw

L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:300  
L:79 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3  
L:91 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4  
L:1004 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12  
L:1017 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13  
L:1030 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14  
L:1042 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15  
L:5233 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:34  
L:5768 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:600  
L:5880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:208  
L:7278 M:333 E: Wrong sequence grouping, Amino acids not in groups!  
L:7278 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1  
L:7282 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:51  
M:332 Repeated in SeqNo=51  
L:7284 M:333 E: Wrong sequence grouping, Amino acids not in groups!  
L:7284 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1  
L:7366 M:252 E: No. of Seq. differs, <211> LENGTH:Input:463 Found:431 SEQ:51